Halifax. N.S
Canada

MIKE HSIN

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WORK EXPERIENCE

Software Developer, Intern	**Bloomberg London**	**Summer 2023**

- **Research, Design, and Documentation**: Refined the requirements by synthesizing client feedback; Navigated research constraints to enhance tool integration; Maintained comprehensive internal documentation reflecting the product's evolution.
- **Testing Development**: Achieved 98% test coverage and 94%-line coverage in unit and integration testing of APR tool
- **Quality Assurance**: Led rigorous quality checks under tight deadlines, contributing to 100% adoption of the APR tool among 27 Bloomberg developers.

Software Engineer, student	**IFRC**	**November 2022 – April 2023**

- Achieved a 33% improvement in tool response time over competitors
- Led efficient project tracking, and enhanced cross-team collaboration, securing tool adoption by IFRC.

Virtual Work Placement	**IBM**	**Summer 2020**

- Collaborated in IBM's remote work process to develop a cross-platform mobile application resilience flood-related challenges, contributing to the team's entry in the Call for Code competition.
- Enhanced remote work process understanding and team agility, demonstrated through active engagement in daily scrum meetings and delivery of detailed weekly progress reports

Software Developer, Intern	**Nova Scotia Community College**	**Summer 2019**

- **Arduino GPS Tracker:** Utilized Arduino devices to tie a balloon with a GPS tracker; Achieved the first team in the project's history to successfully recollected the tracker post-release.
- **Robot renovation**: Renovated an R2D2's head with a Raspberry Pi for enhanced interaction; Converting a medical robot's remote controller from UDP/IP in TCL to TCP/IP in Python

EDUCATION

London, UK	**University College London**	**September 2022 – September 2023**

- M.S in Software Systems Engineering, December 2023
- Coursework: Software Architecture; Software Systems Integration; Validation and Verification; Software Engineering Research Method; Front-end development; Software Engineering.

Halifax, N.S, Canada	**Dalhousie University**	**September 2020 – August 2022**

- B.S in Applied Computer Science, September 2022. GPA: 3.97
- Coursework: Data Structure and Algorithm; Server-Side Scripting; Software Engineering; Network Computing; Web-Centric Computing; Data Mining and data Warehousing; Human-Computer Interaction.

Halifax, N.S, Canada	**Nova Scotia Community College**	**September 2018 – June 2020**

- IT Diploma in Data Analytics, June 2020. Grade: 91%
- Coursework: Database; Programing Languages; Software Engineering; Mobile Development; Web Development; Data Privacy; ETL; Linux Scripting; Client-Side Programming; Data Analytics.

COMPETITION EXPERIENCE AND AWARDS

- **Housing Crisis Hackathon:** Dalhousie University Shiftkey Lab, Nov 2021. Won the Top Prize.
- **IBEC Data Challenge**: University of New Brunswick, November 2019; Final round.
- **freeCodeCamp**: Front End Libraries; JavaScript Algorithms and Data Structures; Data Visualization; Responsive Web Design.
- **Oracle Academy**: Certification of Completing Java Foundation.

LANGUAGES AND TECHNOLOGIES

- Python; Java (OOP); JavaScript; PHP; HTML5; CSS3; ReactJS; Gatsby
- SQL; MySQL; Oracle Database (SQL Plus; SQL Developer); NoSQL; PL/SQL; firebase
- Git (GitLab; GitHub); Docker; CI/CD; Unit Testing; Integration Testing
- Data Visualization (Tableau; SAP Cloud Analytics); Linux OS; Mobile development (Java); ERD; API; Google Cloud
- Agile; Scrum; TDD; Azure DevOps; Jira; Trello